also includes notes FOR SEPT 16-18, 1943

LIST 07 PHOTOGRAPHS TAKEN BY
FOSHAS, #'S1-79

LIST OF FISHER'S FILM ??

U. S. GOVERNMENT PRINTING OFFICE PROPERTY NO. 50177 = 3336

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Sept. 16, 1943

Sept Usuapan at 10 xm. bus

Fanging clouds, powering the

Dokano, which we did not all companies

The war was distinctly logarded,

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Destruction of the second it med with well buy in June sans en come . In our mouse the revers charles and with and the order transfer or the first I money between Lotar the removinos formal premisely. me men end rovated languidly, others have been and well engineer, restating to the servery. Some estimated to the william to he get , from the shope of the sine to see preside when they would the much exercise. Some man what waste prosecularing warmy lettle, others or more a series in Blocks of the Consultation of the and freeze to the board by tarreton They properly made and the wereighted in the rest with charles me the grammer of the core and growing remained toward the worse could Tight an para in their ender, with high frame

La caracter to the second

te de tempe a gament the

activity amended demonstrated in

Lege bunger of and 10 a.m.

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The agus or sociated on the mose of a small sudge entending Isams a to abed trans and a mark oute prurating. entering in nead elt de strauble est mont mont deap Huayetta overeza, where icon agen ent me ero oretoca gaste struction, with shap some creek straggeder & some But a consporation . The Analler Chacalacas Conoya store apper and month insport soll cutting comporata a a montre. es en se my over settuggent est aguel basin (Huajosette Hota) my maans of a more norman solley in mesters The easy was es the paper of Huayopusta me man evo entirely of mening hereiters We-Up po skirte strange a lever and days of 1.12. Et aut for The relatively at eng - of the Ornoga du Huais utia; ou explore anguer en solvier en la regresse a museration, she tope for a most scattered and the same The northern and restorm shopes are somewhat - so was quier.

Theballing of promise our your Low one of nedges and short Love supones wellons Explore scattered huge houlder masses odcaric tull or wherete. asjula remed stooms ene. enoteemed reffer to tree planerates the overly I conformably the Smestone - shall sold for men ranger and . or who offels proposer probag collie of reprosence on phil grab courtains represending thick, il's defined forms dippens gently to the n.E. overed exte for otuned mederica ext is a limestone rudge cut by the herry a da Huamintla The suc of crossing incode ent recent of medaces at ingire ble no trace, en ble et Is work elast from re-conglemenate burgael, or parhaps an old head we lar skarenælzner er pa po pieser crainage septem the users the server some some to mety seriound duecers and The soften of the Hope of Huagupela es nous man eys

of scattered wears of barement mastera and of aastery same send demest In the Carro de la Cruz, vear does of the the properties curactly men the sed demes Beergase. If show were de sansina en en estate the red surge and the azur-mina end this wer, the as now to since the many of since and and and Don't shey also this out to N.E. Demond Kollinson ? Doesn't it, much the transport egs regressent the S. F. E come if a surander or sur M. W. sender the the Huestana? Denne personag pende some who have have ale in of Juliantla. Does the original rain in sylveria to are to answer

and the Leaves of Littinga

Jan. 16, 1945. rentation man to aday Dufu Slamo etter. mil 61:6 plant. musico masta Jumes frank Jarge gray troughed dien much surgues bursto, gradually becoming paler and weaker until musico sintques maple. M.9 4 hoers nary bage draw my pura steam Ot 3. Por weak cloud very pak gray in alor well deep vibrant roors, without couliflowers and lasel cogemen, abbarangly end steam actually in the throat During the night numerous temblors. Parhaps the new caben is built so 12:m'o's as to be more effected. Seems like many temblors and sound of exploren almost coincident. also one

Jan. 17, 1945

E.C. Rept gray in color susing languidly

solar, poor poor poor of: 8

muller such stud shire rettor

but high prev sour for each solar

edso. Itaas edt of plandle stiph

Er pale grayest brown, occasional weak causiflowers of same color. Osh cloud to the east appointly from 9.00 am. column.

at 12 pm. column changed to less scratic gray column with ' four couliglowers and not much noise

at about 11:30 a slide of asl
occurred on the n.w. slight of the
cone extending from so meters
about the base to almost the run,
flattening the cone slightly on
this slope. No indications of any
lava break thrue at this point
while resting on top of august
ridge relied that the ground
was templands, she strongert slates
all cone at the ground

any actuates in the crater treed

much places and found them

egola sea et en restain et fo

During the night the surptive obsume diminushed, will hardly any column was apporant but and shoot activity in oreared, the noise being being than that shoot the cabin, mean while bents bursts in fourly quick succession anding up blunt comes, with the Righest bambs up to 8 pecands. Only pur bombs fell on the north shope. Shoking of the ground has being much weaker this right than bast.

Partly cloudy. dusty. cold at night

8.00. Full pale gray cloud rusing lazily with occasional langua polissoner: cloud world goutly Appearance. Norse internettant was at alway ginslure well; sumblings. Column susing verlically and lazzly for lack of wind. 1:30 Heavy light gray cauliflowers . Just pound of travery surf. In front of the compounded de 3 abrora, a rudge has hen raised 1956 m the old lava flow 35 m. high. of with the ash beds dipping shaply

I of fraguaversally, except for some I housantal remnands on top. Ort I the tramor zone, tramors are still perceptible, altho in the arraya Jå mmedialely south, washad into g e githe ord none were felt.

The Dan Theon flow S.W and D. of the cone is nearly crevassed. These L'oravasses, sometimes 2 meters unde and I or more meters deep and filling with ash and rull form ash dekas

The aguan Elseu, at its sources, is si some men mond is a Jumble of broken blocks, veriously colored brown, yellow and orange Some alumping and collapse has taken place here. There are patches of word chlorides and a few pred won ever, common very active. The large hornels at the Live berevas is well alt for board hands from the crater

5;00 wie realed integrations abbounged from the south crabe with good coursiflower heads of light gray celor, noese like heavy cannonading and Glasting arcs. One large distince applision will produce a single well define one. a heavy comes to grildment tensting a poure of successive arcs in rapid

In the new arraya at the compamento I restron de abrora, the ash is dispected to a depel of about 8 maters and shows several layers of pelibles daying ant many deliber Luc basalt.

> (Raced Julies in Jumanoles A 1 and Az- after 6 for collected a leter

former 3 Tours 2 2

Quecasson.

of conductales from A2. but A1.

The sum working very poorly. Im A2

conductation in the lead tube and

mether gas tube took place respictly.

Ot about 6 cm. activity in the

EC crater began to decrease and

during the night many good

bomb bursts with reduce empline

column.

she furent shoot plant. I she right.

Jan. 19.

8.00 som. This white vapor column hud have peaced about the

Moreanad well surementers.

12.A.m. Full couliflourers lasting all during afternoon.

Raced rules fat in solution on state of the server of the

other Last go sind as as a construction of for sind as as a construct as a standard on and grinds on and separal as a server server surgely but sprain been sprain been some some servers.

suntant emased beno bearest

strong micropacions during the

Jan. 20.

moules susquire ested mede surface po end susquire est.

planting moules sursquire est.

boag m. A or lo lieur becoever estilu steembo, parg ilog, mulas atten paticisso moules generales nog: 6 horo accuralficus pricualles soarge per lo rivisage stru saion puaed espel fo rivisage thru saion puaed giulas fo rivisage sur saion puaed giulas fo moules enot season accusas escon accusas.

Conlined in this manner until

Dent to the agran flow. The growing form a formal and the lawar formal for the surface of about 45 m. per for. The surface of about 45 m. per for. The furth are formal about in a small about to format in a format when the format we have the format with the format with the format of the format of the format of the format of the format in the format and the format the format and the format the

amould awaim ruet they in alt governo

Jan. 21

manneg: dange dank gray lagge some some gine and much fine and placed to the ask galleng, particularly to the note. Some was all column with the caulification and lattle or no all alter and all ask often are are are arter.

nould shame our ristsuber. org de level at level at level progod inter at a seem placery placery and from the stem retire. M. 7 P

Steeng mores. during during the night.

Collected minerals during the clay at the furnameles on the charges on the august flow. Found that is created in the ask with a continues on the charge of the continues of the continues of the continues of a few and continues of a few manual to the continues of a few manual to the continues are continued are burned to an ever of a few manual to continue are order of a few manual to continue and appears of a few manual to continue and appears of a few manual to continue and appears of a few manual and a few manu

Jan. 22.

Manned - mook dropped comme of gray color and heavy ourf sound, much fine ash in the aire. Column ruses very slowly unter very few mark coulifremens. Durung med day and early afternoon Learner cloud with cauly somers. Left camp at 4:30 km. on way to muller. Euglis sulgun. nedum . The server to severe The throat was in actual suption. And overener Les pourents up to 9 secs. (1300 feet). The crater Showed but one throat, the south sent, the second sent having ansalabaney or bryalas Amig plewing pinion, Law diesas all dere meen asparated only by a thin depter. the bench now seems bouler and under than on Nov. 26, the Nov. Vench respond to the upper gentless of the upper ent for gend wether whit. I sphere weil enature en dumer chapted, unte angle or repuse, leading to what seems a steep walled explosure londer : 1 gandens og standens on ant other saller salle sinte throat. The west half of the crater courseted

Jan 92, 1945

of a curved torrace and somewhal higher a low rarrow rudge extending across the torrace half may ithe Rower part of the torrace was well little bombs, the upper half pocked with loombs

Or est abelianista as Luce est. some the for girl and wales overten and appeared to have a diameter blues to altho, oreten & tuesdo for ate go earnast mea et etrup son pout un at the foot of the turace. Explosions took place en the vent p great violence, emparting q all at noisons princes princes crater of such about 10 explosions per menute. The interval and the evens and olders at to the enteres evente. Maximum Buse hombs caves relen I tuebo bedon and evere frequently irregularly Eddt skaped. These larger Vombs seldon reached 150 feet high jeltnengert eren stored storeet et directed slightly to the west, setteputes averl squila est andre allor alere Fronk ett browned a few feet high. Sometimes

stand eren aternel als revend sightly to the south east where the crown slow retors ent. The couliffeewer heads began a few meters alone the throat. frakt enbounding rapidly but pleneupert. Ju primala mora Mondo Delfart mundo sintques alt a dere eller estere est borrere aprical meter, seem to the extent of felling the water. When such a cloud passad delle former one could delect a distinct volor of H23 but not of HCR; and a frathy semi puniceous abl fell as viregular fragments some to the size of a first. The expression expressed all semi moster and resolved in their downward course. after dark the effect mors anesene and undescribable. The incondescent bombs lift the carotar have dreat about pound a fan shaped pleme of fore. plusse blues obnock regral adt resserved, but the masser enes evere streaks of light to the eye. These smaller mes luere

musible during day light Both in daylight and after in compression mauses in che eruptuie column baquently Sollowed the musto. Weth a seemelled gine. ried resor & rielement one another in quick succession. In apre of the transmendours explosions the noise at the crater suin could not compare world-Ihat of now. Ho. One could easily be heard talking in a . some to east someon

4

Jan. 23. During she enaming a broad It amptime column took from the put such meunt bruse there a strong east wind. ing alion tuends amos aft I fel. to clarico the cone accompanied by Mr. Bamblay. actually me the crater Deke last night, perhaps . seg ranta transas. ike upper part of the cone is datableg a conard hopen from Elses cence of sion Chlorida and Las soft in beblevine ordnered and are sometimes encousted with it. The purface of the cone is now The ask, dry on the surface up to about 2, then moist. The surface so not kot, but slightly insect process. at about 12:30 the wind Changed to the war and the crater became Gellad with cloud. Kernamed Do Les de sent general.

Toward summer the column

To de similar only weak F.C. deminished until only weak elt zone and During The night nothing discernible and Even the vater enopt bombs

but the oopers condensed as

a great white, cloud high along along also order. The explosive noises greatly increased decome this phase. This phase undoubled by the from a fit from a betieved a colivity and a colivity and some and the formal was normal, with the blue moon lit.

Jan. 24.

Fine column sising straight up

cual Atres, munico en 2 ene no

in gine acron, ecoir grishmen

accordigiones for ell griscus est

accordigiones book Atres munico sent

mula sint quee toal elt coeu out

, boines the sent princue

continues princed elt griscus

Reser princed to bourt princes

Reserved to bound of boneutes

Jan. 25.

. modes sintque elever.

During the ferror san. 16-25 the sample column was generally were column was generally mounting, moveasing weak in the early mounting, moveasing again about it at 5 km. During again about it at 5 km. During a please column the noise was a grating score, indicating sheam a first indicating shear are indicated in the sample causiflower at was followed in the again.

The aguan flow was mount in

to the med, seem alt or

one toward Conzenzo and the mesa to the east. The third Pariculin Glaw, beginning between the cone and an uplifted rudge that ran to the Companion de abrora flound Danly, fillion Every was last glaw (Nov. 8) of the 2d. Parioutur Glow, Gelling the Loya at the n.w. Vase of the Cone and pending a long Narrow tonque on the 2d. Posiculin flow

Flows.

Feb. Maz. 1943

may 1943

June, July. aug 1943. Sept. Oct. 1943. Zapicho, Oct. Jan. 1943.

toward Tonicutur village.

San Juan Jan. 8-1944 - Nov. 9, 1944

End! L'aviculin !pe

aquan Zlow.

3d. Coniculin flow.

assured aft no constacted Jan. 1945.

Francoustic ocquisty is greatly reduced 1 Le Dan Juan, 2d. Marientin and riguam Elous show very few caero pero et . dogo silares mest adjapped and me see astones for ent , gumes ett fle teas cure? Junes Jo Lampullina, sparre Languel, monty well and sold for the sound while who and bours was transpur and of the first Pariculin Lava. all are acid and do not yelld such evely place and sail asto milling nous and for columns af from one all practically entiret and good four sulling ales, there chiefly won chbrides and some suefer. Harnetos en ele grunn flow are weak and last only a short time, geelding strong acid famos. Blusik James rich from the mandescent lavers of the aquan and 3d. Parienthin flows. The lower Luadbru - blas is walf nous on all any Jumanoles. The 2d. Parientin How shows scattered incipient Julies par Lindre, askaronnenz

On some of the older, duply ask

coverab flours are cracks in the ark cover. Where the area about these cracks ais Alightly , asberalds will being beneath salts are usually encountered by digging to a depth of a foot er more, below which are cemented ask layeurs Rock alleration vanues alout the Lumanoles. alount the holtest ones a their film of nock is altered to readesil color but the interior appears Fresh. Where condensation takes place and the rock is wet, the rock may be extensively altered to a breck red color, Condensation sof servere en et energe extensive alteration. Dry Blam, . even the it contains HCR. does not appear to be very effective.

Furnosele Dangles

a mose furnavels I melers about boso of Ong. 1943 rudge, alongside a large block of agglomeratic lass, a large block of agglomeratic lass, somewhat altered and spotled with canory geson orusto.

Opening 30 x 15 cm. amitting good observed with crusted with allowed countries.

Observed white outton.

Odor plightly publications.

Other of condensate family falme;

Paparales a little black sulfure.

Rock oblevation: to a red oriently mass, with criptals of purplus in

Agrees condensate harge, elevate moderate.

AZ.

rituring land sall pe sphere and peligral war, stimming near, was plant of a sound street derivate bened also short sall persons short all bus allah alla bene allahus bene wally siru bilangerque other wally siru bilangerque.

Opaning 50 x 20 cm. unch Jungus Whe crush is sauro all

Caer very family sulfurous.

7 = 314° C.

aqueous condensate obundand

sold condensate "

Rock alteration: slight ordeged phin

Sullandes in thouse white, ordend

parage to at, square buldsegs thouse

commany yellout.

A3

Top of rubble rudge on 2d Paricution grow, essenting from undernable from some proposed, appropriately essenting from a crease undernable. Heat evalues and Pittle visible vapors. The one of the parties are shown after a start parties are created bridged bridged bridged with a color parties and parties are causary yellow and light orange purchase patterns and proposed primary puller and sold or the parties and puller and puller and puller and puller matter

Oder strongly acid. Choking.

agreen condensate moderate

Bord condensate deporce.

Taste strongly acid:

To 500°C. or more.

Rock alteration: rad oxidized skin apoparent parettend parettend.

A 4.

Fromt of thick flow from

and the pummet.

Part of a group in and about

ash covered nock foces. This one

was completely covered with ash.

Trade an opening and fount a

Crack in the ash 1-2 enches wick

from which gases essued rather

ash layers contained much vion chlorides.

Oder faintly pulfurous. Toote four outuingent.

aqueous condensales abundant puled condensale sparse. T = 460°C. T.

The consume and is ordered.

and impregnated with palto.

Sun. Feb. 25, 1945.

lever enoped Edgin et bewered languaged in more more policies of insurance when the privites placed about a near the responds about a server of the selver o

Sud wolf niturined at me mean acre colored with the month patients are all month patients and have been and patients and and have seen and says but stome and priviles induced priviles the styles.

mules stome peach pole est general, such and participal product of many personage of many personage of some send has indeed the sace that so has sunger and est pe sace est so hum peach alter policy burn est, also burn peach some ountly of his between

Decaronal light on grindlyis somoroso, grundlyd mustas sing sing den mustas mustas sing den pang mustam. Ithjied song at griser.

May 27, 1945. Sunday. With Carl Fries & fack down. all during the day, pure white steam chouchs form the crater , each poulant bushing rises. and rave almost sere porcurant end retors and so mue mestica containing practically no ash. There steam jets mere continous except for very rare and brueg expired & even event! assured has sound for otherway been sond the restand mark filled prisers. elt serveg jind brief princip pteam sent caased its activity. Auy aren starent has et. south, agust a, evident Adjiet a at griser mudas not could in redemed so fo grillet tourse, atumn the creater forom run to run. Some bombs and much ask for sugar reaper at me slef the core. Clumbed the one with call,

Chows and ena est bedond?

Soviewed, sindsold bone seed for treads

girlsies bone acued early treads

mark return est to mur est seemed ast of stounds. I sounds . 3. 1 ests

other out aimstones ast

singuiso huber po returne position of the vents seen on oi ense en de due sont is Agent alt for equila all at earls eastern grant, with steep slope from the point directly to the blue Load on Load could. Inde not be been from any station that me occupied but was apparently 2 meters in diameter. Lounds ffe enge Luck cent to tel Bingens o Ascrayand white steam with a hand grating . Jebock sent etaste penetrale room. solve more for chard sorrow and skouded gating (Labiegn plus) of griser, the mount seems an average height of 500 (brees) to 800 (7 see.) feet, altho occasorally to 1600 (10 sees) feet. The column was slightly inclined toward the cast, so that practically no . W. B so we new aft of slet or S.W. There were none pauses, the Column almost emmediately beginring again. I he semarkable jeature grad alt over the long Continued emission of almost methodos eles eles protes seles discoloration reisteinerd skill bone dar pul and for the gridaux aft on pteam

Low sour sond served aft beloved beloved and larger, regreet and laving and work and served source on bound served as must end the send all sends and served ser

In the upper part of the peptum

that percent betweeper to the lange the lange of the larger croter were

Suncander cut with the langest burd and cross creter 1/2 hurde

compared atty grands benear children could be all their between crew and the planet and the percent considering the consort of the creased in the their consort as a their consort of the consort of

elt to egola stran et rann ette

noter ett po abra tuer maeta

a cit giltness plinist bagala

lest mat bona laned enancear

ett. Frankt elt at giltgurde

Letarele plinis over daned

den bevoug el at, jullarilandes guidaux-que all jul coordt alt guidaux-que all jul coordt alt

Between the act vent and the bell hard fulled word of pulled and pulled and proper and seems high and a the count of the crotor and the count of the performance of the performa

aboured rabo anathra Algila Dettero elt

Calculate the amount of wester vapor :

- (1) an orifice of 2 dianteurs
- (2) Speed, Grom bombs that take 6-7 seconds to fall.
- (3) Temperature, from fuct that

The vapor column drifted to the sees. I go the some many, to the s.

Skyclean en apt for voper column. Moon full.

Sava flour Dourly brown the aguan vent.



East-west section of crater. May 27, 1945. E elevation estimated; W. By aneroid.



n.E. S. w. Saction of crater. May 27, 1945 n.E. elevation by answer, S.W. estimated.

May. 28, 1945. monday Want with Carl, Jack, Chuchi to the aguan vent, following sook soul work have base heappale you alt no. and est fe at the estonant at the Parient, june 1943 flow and found them unchanged in appearance. Also excavated a crack in the ask cover to Beauch for more als. The crack showed a zone of red criptals a few enches below the deriface. toof such sof sone for about foot reere scattered and couliflours. Dike heads of a white moneral, and sull slag below remisered steam essering from the crack took Jurel cost

oridized ach. White couliplemens

botpelque is some cotinnal ble est and language crevasses, and language crevasses, over . aelsommed people bus agrees over bus are ptel letter ero cotionaslur beadables digit aretem el suorla ero, allunesses

and I meters sinde, shows a Men belle return pasquosen relyser evastel. sols espent blued. It tuodo russo d'unal detact no tramors in this area. The aguan vent Las changed to possition from the base of the come to a volcancito, 10 meters may areten 001 tuello get the base of the cone and 100 Then. I treat. The n.E. plaper of this vulcancito is stuply Conical, made up of blobs of lava The S.W. Rede is broken down and Emerally to resumme a crucks Linke over strom which Luck a dred aspesse math Kissing noise. a throat, about 3 meterio acroso, occupies the west crest of the volcanato, from which blush fumes issue lægely. From the cone, to the S. E. Gar alous 300 meters is a Your caup with incumdence crevies emitting cionard Junes and gover essuing both a Rissing mores. To the west frem the volcancito is a Remilar sint to east the base of this

CU 10

scarp es cord wood lava, followed ly an area of polvelve lava. This pection shows no fundable activity.

about 100 m. east of the volcancito the lava morda sources from a crevassed and sullinate stamed low rudge of lava, al stoorigin about a meter vide et so phoiger princher at its and knowle privace ou the impire melor in 15 seconds. Its surface es a exaltering of vesicular, Tugues Lumps separated by very viscous incandescent lava, a riock throun on the surface makes no impressing and tolls, as on a solid masses. Blue, choking fumes are quen off ly the bave. Ocais mally it bulges Romewhork but does godsow been so such son ealblus.

The fiscures in the older lava,

fielding buish fumes deposed a

colonial luff subuniate. Sponse

white sublimates are also found

me the courties of older lava.

Retween the volcancite and the

fulls to the south, the lava is

were desply crevabled, does do lave

The lave would ature more placed

Las appearently completed and policided

and place in only a

and place of the confidence of the place of the confidence of the place of the confidence of th

Jesterday, with white steam
yesterday, with white steam
column string to medium allitude
column string the day sit Ruge bursts
from the ask went, three following
sace other in rapid succession
during which the pleam went
abouted.

relow set selvies sond Done osest

et coenties of grinese est no
mosts sent est. Itsin to other

ppo ency and ger et in other

where obnord treatments show show

ones the mants in allow

parlicularly active. FC. Where they were on the run the ask sense gave one of ets sown a then roped st. attained event to agreed change of explaine and brough and evas followed by a rapidly rusing sister mucho perort series primar, partier en benoardeur down non- in candes cent bombs and asl. The steam vent was normal up to the time of the ask englisher and there was no change in activity to indicate the coming of the ask explosion, which occurred mistantoneously alt in the governey and in far but muches has esteam column.

The activity of the two vents gives one a good chie to the variation in the exceptive

stoods st now poissens aft.

crooped plevitue tounds or

tounds tuescabons in alt mount

est tue 9fr wat al your gold

bely of moets to how tuelow

word they as how tuelow

color and very sporagy texture The Berni-viscous diring gulds Auni- bread cruest bombs. With Continues Leavey Dean emession about theodor transla ser , muiso mosto, strong vesicular bombs results. If the Steam advers acours the wall, as brown a bernois occaron want der persons is considered the fram the crater wells, yelding a Lead comme ranker of ne density according to the amount of acousing. When sent retor for ships a oil erett material, a dank column vo produced. Duch was noted in or the vent is

eldent bus las stru best bus struct best seder aller ett pe gringerala las in lein et musas ett in strab ei bus olmad bus rafes enmula preseques. Lass in sala preseques. Lass enerte ei saest eaugus ett engus ett.

ed expand pan dos est : airagestas oud othis bearing (1)

a car

the securet of suplasions dually from mollow lava, or stripping of viscour lava, or stripping of viscours lava from a throat.

Guesting in the first case light brown colored bombs will black vesicular interior in 3apichus; in the second case Lopichus bype spitamenta and semi-bred crust bombs.

(2) Sacondary ask and bombs, the secure of sa worked primary material yielding:

(1) communitad ash fragments

(2) coke like fragments

(3) Angular Gragments from Demi-Gread crust Grown

below on rounded (4)
Gragmento produced by
trustion

Spalls, Even breaking (E)
up of peni-bread court bomb.
(6) agglomesate masses from
croter walls.

may 29, 1945. Tuesday.

During the soorly morning the

Cone was fielden by fog hull

the grating proor of the halor

which are personed activity.

Obout 8 on the fog cleared as

and the accivity appeared as

yesterday with which made

come frequent more pregnere

and longer in the clowed and a the colored in the

ond not so much force in the

2 heavy explicitly experience the more propersons.

Cloudy. Legt Dan Juan 2 mm. 3 56 am

July 3, 1945.

Overived at Dan Juan, mid after.

room with Senaber Dudonez, Fries

and abraham.

The crober was giving off a rath crown of all feward for amulas growed.

Leant send soft mess event to be a sure and some of the above of the send of the send of the send of the send of the format and all for the public and alternated in the alternate of the public of the send of

monthe ett grinele rekeelt in Forming och rain fort one grinele ett ni got at sig ett.

and was more aporadic. No

July 4, 1945. sero cotuned est at the truew grale prince, passing along the east base of the cone. provedt sour travelt please, tace & elt brownest avenuel reaching beyond the core. as are pared the hornto area, a retors town elt mark trent duad some ou regu med Edmed belsax we had a busy time for a few ni even lever elt. cetum prom grisca, raitquere suitsa pren primaled street, street at at coloned dark ash. While we were at the enoy ester treer est, mass soul I have buret that litter be west comed the come with for each

(Bomb teppes:

+ ragments

Inregular sponget.

esterate colores.

Semi- bread crust.

Leton endianden Isamos week D . od mad sat for some on

about 2. Pin. the activity from surrent bebiedes dines ett and by 2:30 pm. the sents gave. off only tenuous grutty dust. By 4 Pm. authority again invessed

and it began to ram. By 6 m. Apit in inogo even others with even the level eft, pier too Jending, Jelsvereng nakt overede Smed puch silsorga at a low angle to the west, fo sovet she somewhat commende placera. The nearly vent travely . Lace eft at armore personala stored pp evap true streets Aux constens, alua alt at has trested mean grindlick trestedment. grada use a sint sint to Thunder protol-sheet like thender. Continued . Itopin ett stri out ensk The lava flow came from a done like mass of lave about and for sall aft many creater co) Cona. 92 rapued from a crevers Irrepresent ett. The exper part of the croposos cut the done and showed a number of handes cent bents from which Klush Lumes auros. The surface of the chome consisted of taggy.

Rike romoothish lava. To the

terminated in a scarp as if it

and west this done

Lad been elevated.

The Rava essued as a small
place, alreat a melir wide

Lut widened rapidly and

Loroke the tengues It

Place to several atm estart

Loroke in a rate of about

Loroke in 15 seconds and gave

off gaves with a tissing

Solomite Johnson

again I was my pressed by the grant comes of lava that comes to be a what appears to be a very mast purity that the lava is perhaps mining from a frame.

midden Sporage blues and sign the teat in and the apparent of the

lava at close hand, The lava

ded not appear to well up from

grant appear to grant puncy

from a point, almost unmediately

legenmy to fines. Rocks throun

on the appear of the incondescent

place of the moing on the

surface of the moing favo.

and preserved the property

and place of the moing lava.

A could be through the surgery

gradually worled or kneeded into

the mass.

1 ha aguan volcanceto nous Afons no grow activity, altho the course of the Clow shows gas vents and sublemates. The volcanato is sofed made musics aron but the conical hornet applans analy one . Tours ex at orden berbruik larens to the east. To the south the Yava is much revassed, some 5 meters deep. In these crevasses two from can be distinguished separated by ned oxidezed ash or by ned scoriaceours purface. The Rava is only moderately vesicular. 92 is only slightly worm.

Between the flow funt and the base of Toncitors, much and the lave how the same and the lave shows much rains and the lave show much the place. Too, the topography is modified by much about some the rains. Teladorio reports a borrana about 15 meters dup at the foot of Comiyuats down which lave from the Horitos.

neder mot sterred of surstands applied for mountage along all some property and in good after a sold of surstands after a sold along a sold a sold

July 5, 1945.

E.C. In the early morning, activity

Defendance of product to come of the sold come of the sold commendance of the sold company and the sold company of the sold company of the sold company of the sold company of the sold commendance of the sold c

Rain un the afternoon. Beft San Juan about 6: m.

July 24

alt most prome some sach mas 8 Is industry. Welt at gint purb, retorn nout mad in skillens, skrimer.

and the priviles bearing. mill pome cours round fisher.

, Lors reed yourself and I fee Flying over Dan Juan flow, when eles elvas bono tace of boursers of cons. Crater with one throat, gutting, Iner stress soft pleasers, putting out much dah. Truch steam mur trac els prode

satural from gly from Hernetes bora, flouring directly nous in peller she piellet, olemans such has spent tougue all mounted the old lava, cascading down gust used of the august furnarules meruled justed the valley value on riturine I ble alt bone oritant · most

De svidence of flowing lasa Grow the aquam flow, its went marked by a patch of yellow

alla millus

Fow fumanders any place, appears that most of them one in the block lava.

Dascriptuin of lava surface.

10:30 Reduced activity, with very mall

EC. Daam emersion, increasing at times to more copious lazy emission

12 pm. Lægig consiflamens, drigting down

EC sta side of the cone, the ask drighting along whe route have of carriqueto strong sout would. 10' kodochrone.

From 12.00 to 4. 10m. intermettant

sheet steam bursts and feelle

Cauliglousers.

others to 6:30 white plean bursts

well hear pulled purel low

und show (mirellyte tree

generation of condenses

otherson for mulas purtyes

otherson burst be at grapher

dougtery to the steens.

A seen all of purtyes

and ...

(Kain at 6:20.

Sarge Rava prompt winds agust felicing in valley believe Tuguet ond the state and the search and the search are carcade near the lave and the lave that the lave that the search the trudge, the

latter about 25 meters under pour of of and a pricuas of of a rate of of and a broad of and about 1 steads.

The flow has a broad band of dark me should me should are about and about a such of a should and pricum for such of and a party of a mass about of a party of a mass about a party of a part

bridge of bring brown."

July 25, 1945.

more stared of some stare gran street

Continued po all day long of surveying to should be should be so carriedly to 15' at 32 p. the S. W. but occarisonally to the M. E. apparently from 2 the M. E. apparently from 2 throats, the most active one the S. went.

Since the process por the by Sopiche to by Sopiche to by Sopiche to by the lave spirit the lave tent.

The first successful as the stand of the lave grant, moving were found, which a forme that appears to have come that appears at arrange and shows high, block lave. The older, ash some collapse and from the come appearance of the come of the process of the come appearance of the come of

Could not pass to the lave

Secure of bombo.

Much pleam from with on

the old have places, due to

who serving and figh furnidity.

In some places issues with

loss from the ash

cover. Sery few firmosoles.

Financie The chief fundered pector is
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that the lase is plied

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Lucaled teep.

Turally a resolution of the

color of the teep.

feet below. ett zinnere och zument per served len con served by gog, but there was a strong mandescence above the Some seems that wased and in struk stru sonoch grades. also a plane mandescence alvue the lava sent po that more Dan 2 the outline of the cera mas encircled hard a Rale of penk incandescence. ett in gennigik Inno F clauds Ligh above the crater, Suit probably connected but rester plustos mosta la rather Ikan the volcano. Trequent and strong lightning for to the

Volcano

30 July 26.

Some toemas deming the right Pain in morning. Root of Day and night Standy and Jogger

Dereng the right the activity of the course and several play by the court stud gast put of the court stud gast put and the court at the court and multiple or that a distant multiple or like a distant multiple or produced a fundament, when the

mong mendes pegal Lend Loist MA: 11.8 , Ju theisarts principe restored. . abudes zongrahrene was atrii

11:45. Their tamous gray column, lasting for only a few minutes

12.00 Heavy somptions water dense column and many houles.

3:20 pm. Heavy nain will some fail.

and thunder

open. Les agternoon thick, dense sper sur mouse of mount of the will will will and the sure of the sure. The sure of the sure of the sure of the sure.

T:00 Pm Went to lava cascade; plouring
a continours stoody stroam.
The flow is bordered by a
dike of survers, 3 miters above
the plaint lava and 3-8 mino
arose the base. The place
approach but furnel, like below
the cascade. The roise a
thinkle of the clinkers that rude
the moving purface of the lava;

· T.

Haat wower above the lave but no visible condensation of steam and no oder. A four pellow slavies are begin to form on the dike

The office of the state of the

Gross section of flow non base of cascade.

a huge mass of lava came riding down the cascade, a sold dome like mass, I meters 15' moire long, 3 neters high, light like a ship

June & ruser. I havy billowing the right, heavy billowing colours for into the overhanging clouds. Numerous bombs up to 9 peco. (1300 feet).

dighting One Rome lightning flash, diagonally ento the column 300 m. alrows

the crater.

Reflections from the lava at the vent and at the cascade very much reduced.

Heavy ash cloud for to the west.

Herm heavy rain with heavy thunder, some had.

July 28, 1945.

eterned peaced primon alt many proposed peace and some some some sound stack against and around all many colors out their paint that place in the primition of the opening and the primon moon though the formation of the afternoon that the peace of the afternoon the them.

dence rusing reather languidly into overhanging cloud.

Ordered a pample of the rain at the casita. Filtered into clean bottle but it remained rather turbid. Reacted acid to litmus and had a faint taste. Sample collected after about 2 has steady rain.

Street person mulas sintequed for proved proved also heavy condens. I work proved also she flow went, they work also heavy contonito

July 29, 1945. Fourty clear in morning: Heavy sugstive column in mountagand early agtirm our. må afternoon, variable with theat asmun harying to jaset . mulas mada Keller, who flew over in the helicopter. reports a sonall neu vent en the crater, about a meter across, from wheel came a steam fet. He could see no tura ces.

N.F.

Rain during taler afternoon. During night, clear sky, enapt for ash cloud and a few majos of cloud.

seemed at in privately it also the downer part of the energtive and a In selsult sing ung summet of the column. Theid lightnung for to the S.E. Bightnung untical, inclined on horizontal. Several small sheet. Duke apoto, that qual reports from

and, princerage reacting, has selfo est more spign stree ofther egentulgil.

Photos W (#) single large Plack 4 glashes 10 min

Wheel Plackes 15.

20 mm. muchen, stowed burg plus F tuerogype on . mulos suit quire connecture between bursts and sightning

70

July 30, 1945.

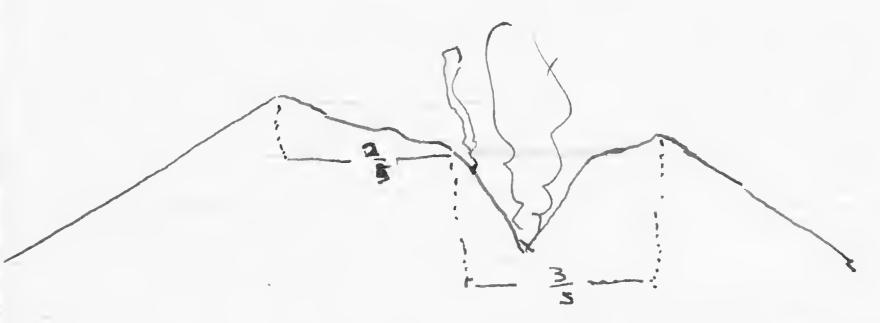
8:00 Fog over valer

Fairly thick column, rureng languidly pliced and by Joseph and bust going some force of some filled based atthe causes of some torrul reging land barasso has been burst

July 31, 1945

8-12 mm. Heavy enisques column all morning Later black burst strend short street Helicopper flight

Lived and some stand a stand to the south of the stands of interest and stands of interest and the stands of interest and the stands are sounded and a second resord to the pout weak of the south of th



12-5 pm. Come obsaured by rain and fog.
5 pm. Osry heavy column, dark in color
right: early evening give bomb
bursts with small vapor column.

aug. 1. 1945.

monning. Sazing column with weak cauliflowers.

bursto drighting how over crater rim

to west.

Clear & burney in morning

Elean & Denny in morning. Left Som Juan 12: Fin.

During this period activity character.

yearly are a should come,

yearly and should come plants

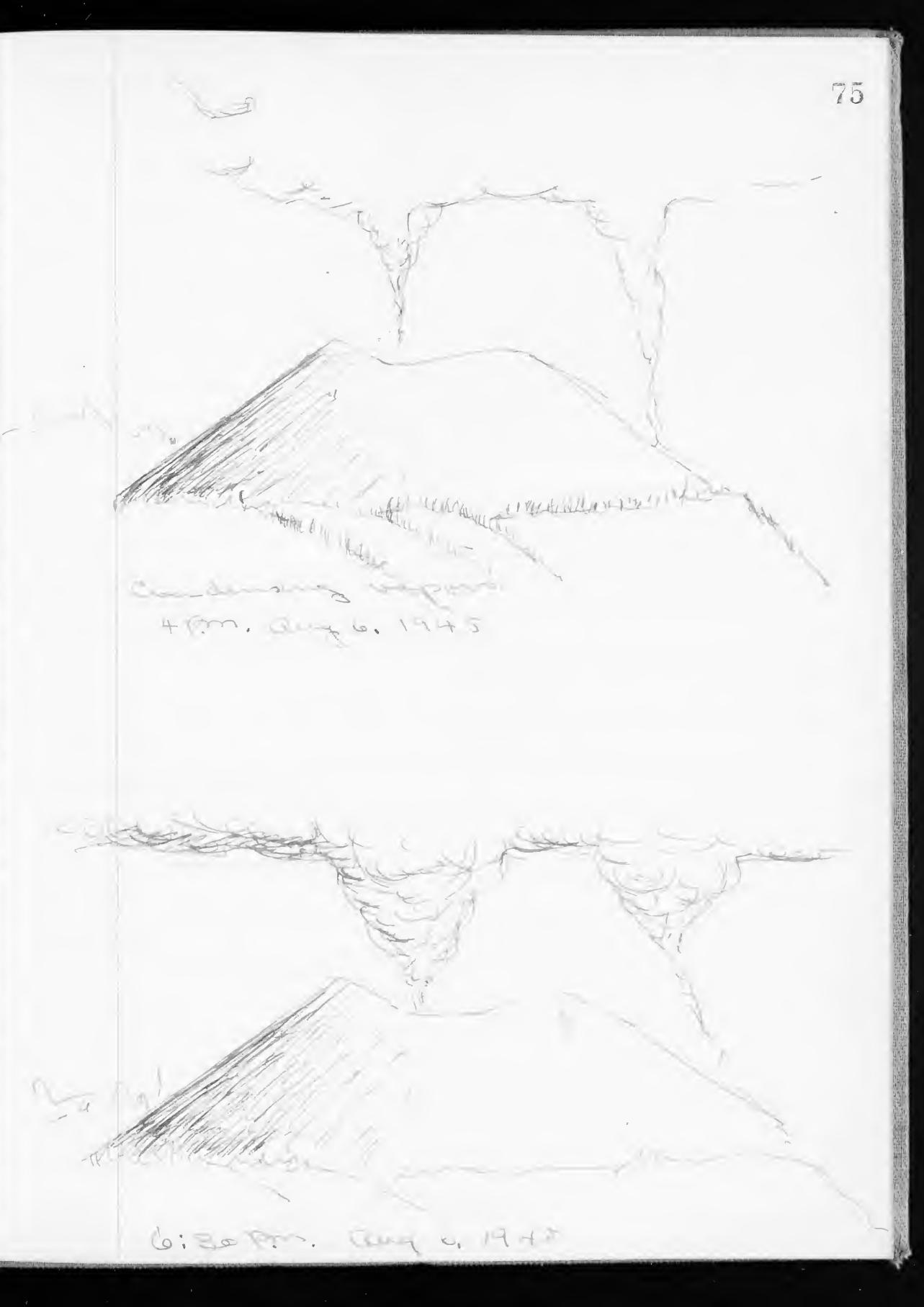
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aug. 6, 1945. Lift mapan 11:30 with wine. Canters and Jemano Sonzalez. Stopped it the month of the buto and and little was president start and, must be accommended to seem in asim, with the star of the the start along the hard from and all the balance bands, with sometime with of all and colored for the cue . out the freely solf he was all no brusin funes, at a member of paterne, career, french concentration when the and annoyer towner, menering approved purely attan. The please we to the somewhat was from the per tent tent the servery For cold. Ithe acceptance of water in process, indicating that the war some in the process. men and to saw the Para francis. + seamen the smatter - there is to the claud comme and toom cheese of a sure of the Laces broken grange clouds, the Company made for the

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Mauricio Duante, Osio de Rozales,
formerly Bon Juan state, that
on Sunday Fib. 21, 1943 the core
was about 25 zero high wh
10 Am. and the war was right

Oct. 27, 1945.

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· Jack. M. Darb.

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